



**National
Aeronautical
Laboratory**

Documentation Sheet

Document Classification
RESTRICTED

**Title : STATIC ANALYSIS OF ROTODOMED
AIRCRAFT
PART II : RESULTS FOR VERTICAL
GUST LOAD CASE (V_B)**

Document No.

PD-ST-8817

Date of issue: August 86

**Author(s) : S. SRIDHARA MURTHY, S. VISWANATH
GANGAN PRATHAP, SATISH CHANDRA
S. GOPALAKRISHNAN, C. JAYATHEERTHA, MVV. MURTHY**

Contents

Division : STRUCTURAL SCIENCES

No. of copies: 10

**External :
participation**

NAL Project No.
ST-0-148

Sponsor : ASWACS, BANGALORE

Sponsor's Project No.

Approval :

Remarks :

Keywords :

**Abstract : Static Analysis of Rotodomed Aircraft has been
carried out using Automatic Multistage Sub-
structure (AMSS) scheme of CSA/NASTRAN. An
assemblage of HS-748 Fuselage, Pylons and
Platform (FFD) has been considered in the
analysis with four basic load cases. Results
are presented for symmetrical vertical gust
load case V_B .**